

Figure 1: Metered Injection Pumping System for adding resid fuels

PISTON CYCLE

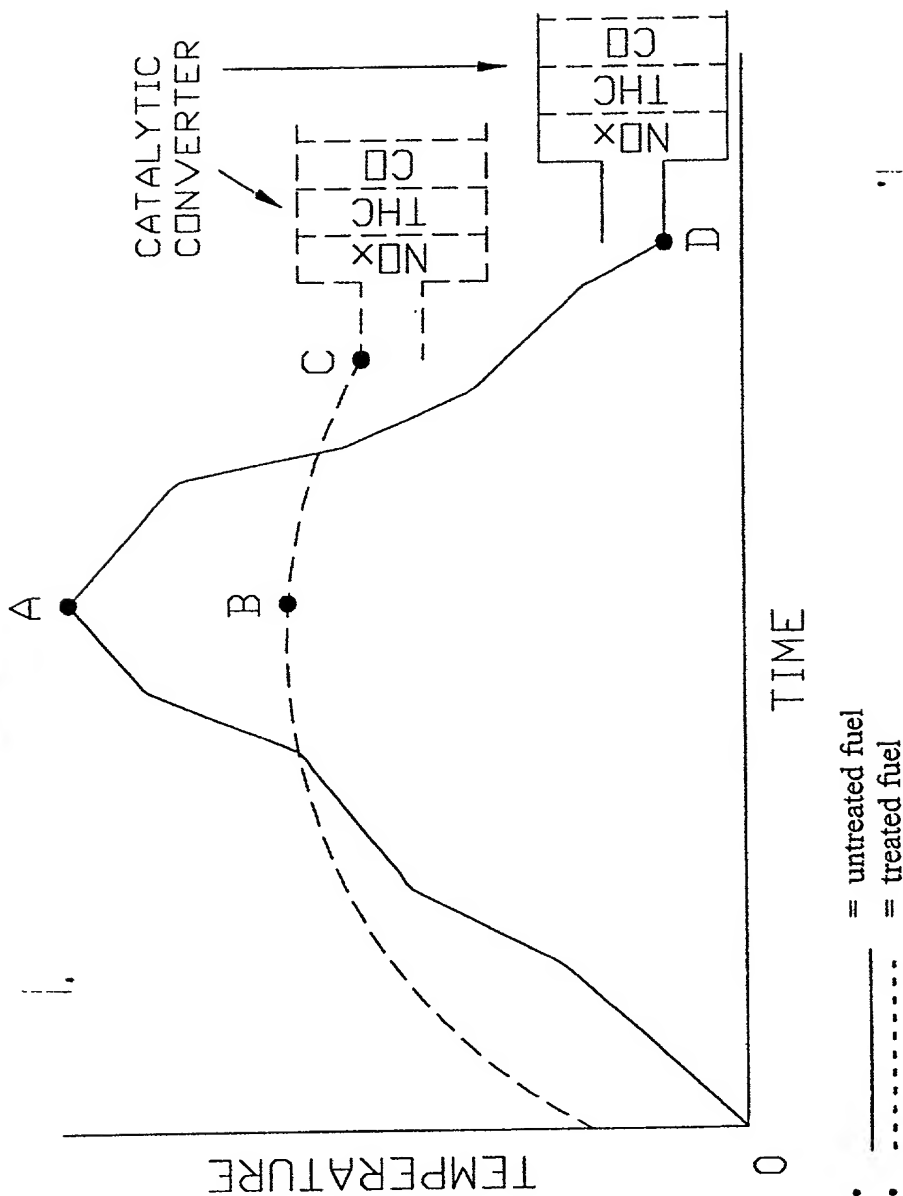


Figure 2: Hypothetical temperature versus time curve for the piston cycle of a gasoline-powered engine operating on untreated fuel and fuel treated with the OR-1 additive

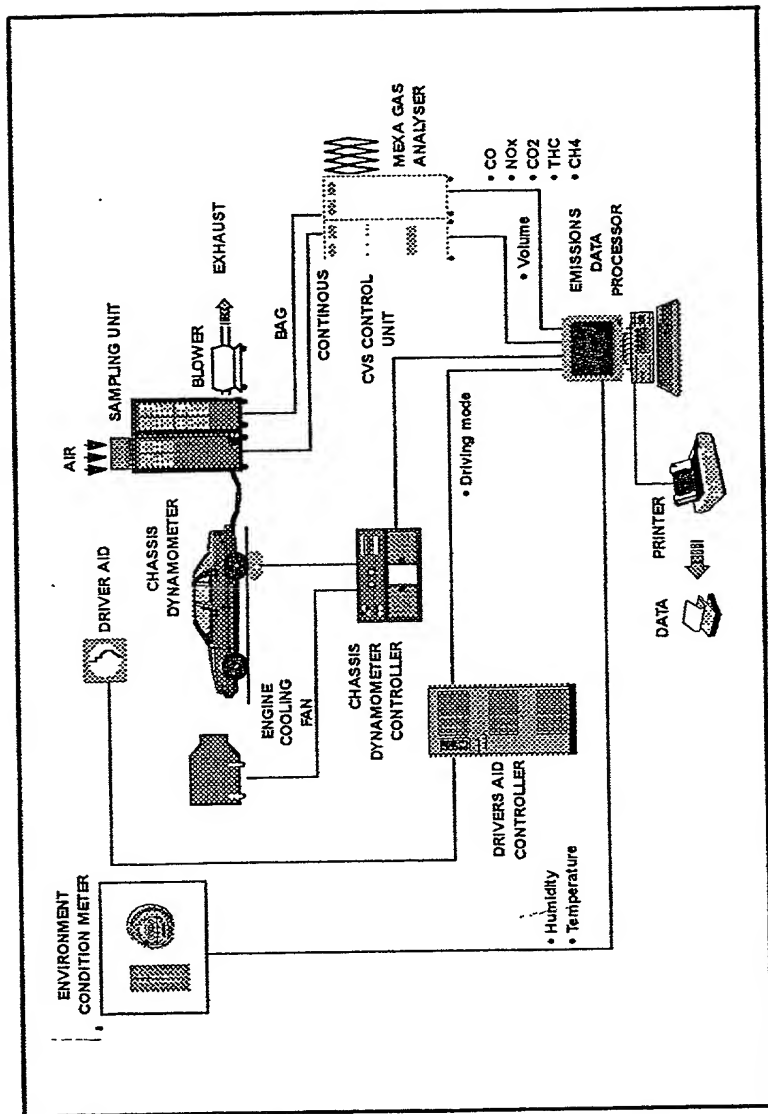


Figure 3: Schematic illustrating the layout of the Vehicle Emissions Testing Laboratory located in Section 27, Selangor Darul Ehsan, Shah Alam, Malaysia

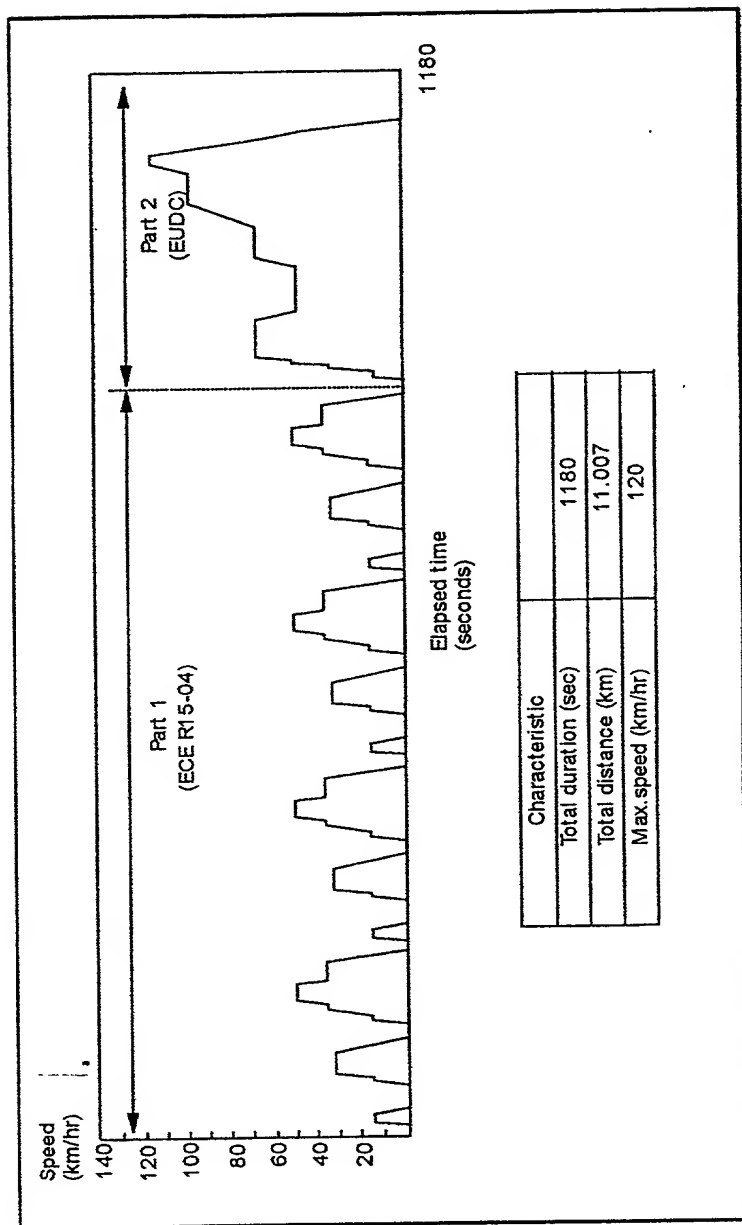


Figure 4: Diagram illustrating the European Emissions Standard ECE R15-04 plus EUDC Emissions Test Cycle

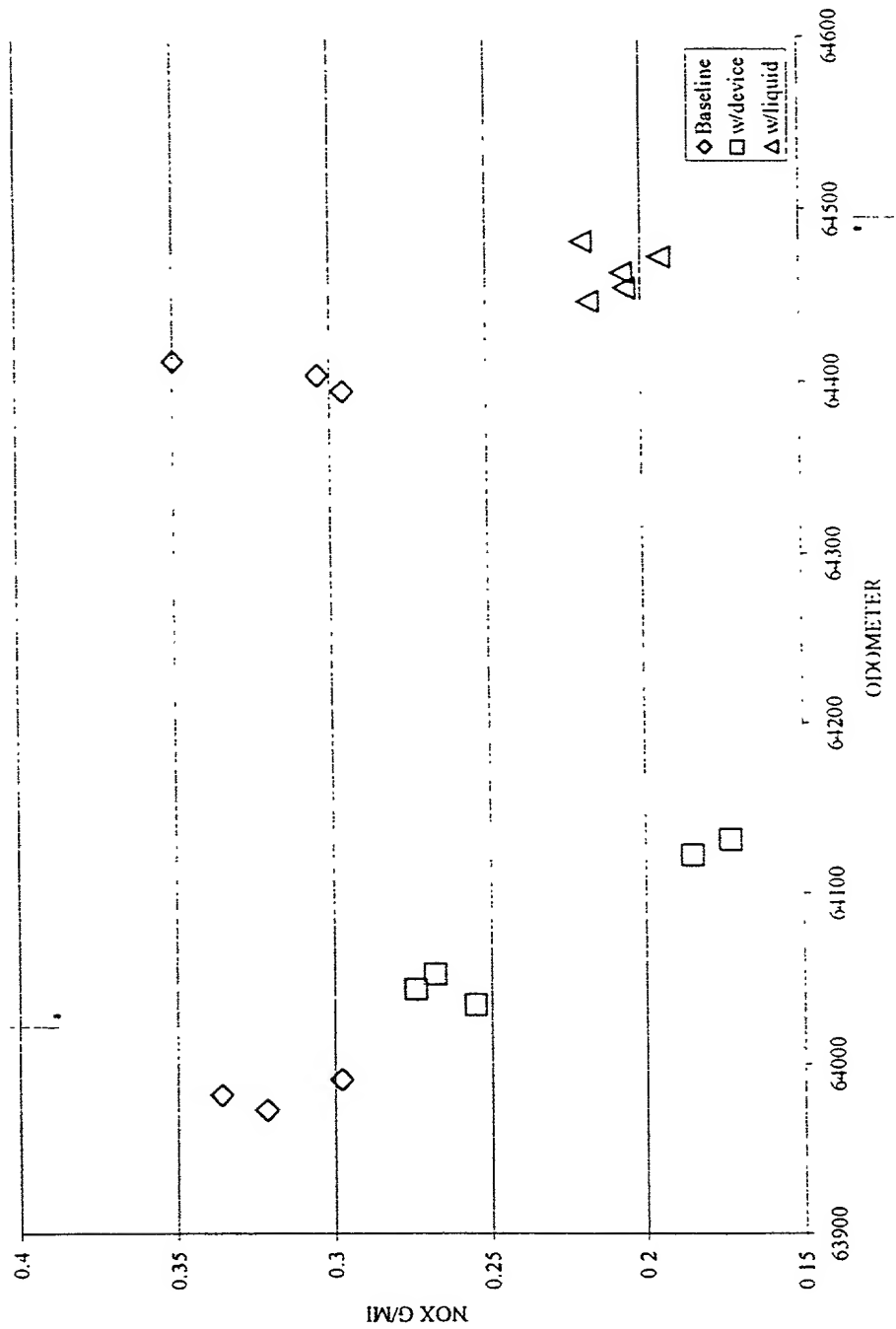


Figure 5: NO_x emissions as a function of odometer miles for a Ford Taurus

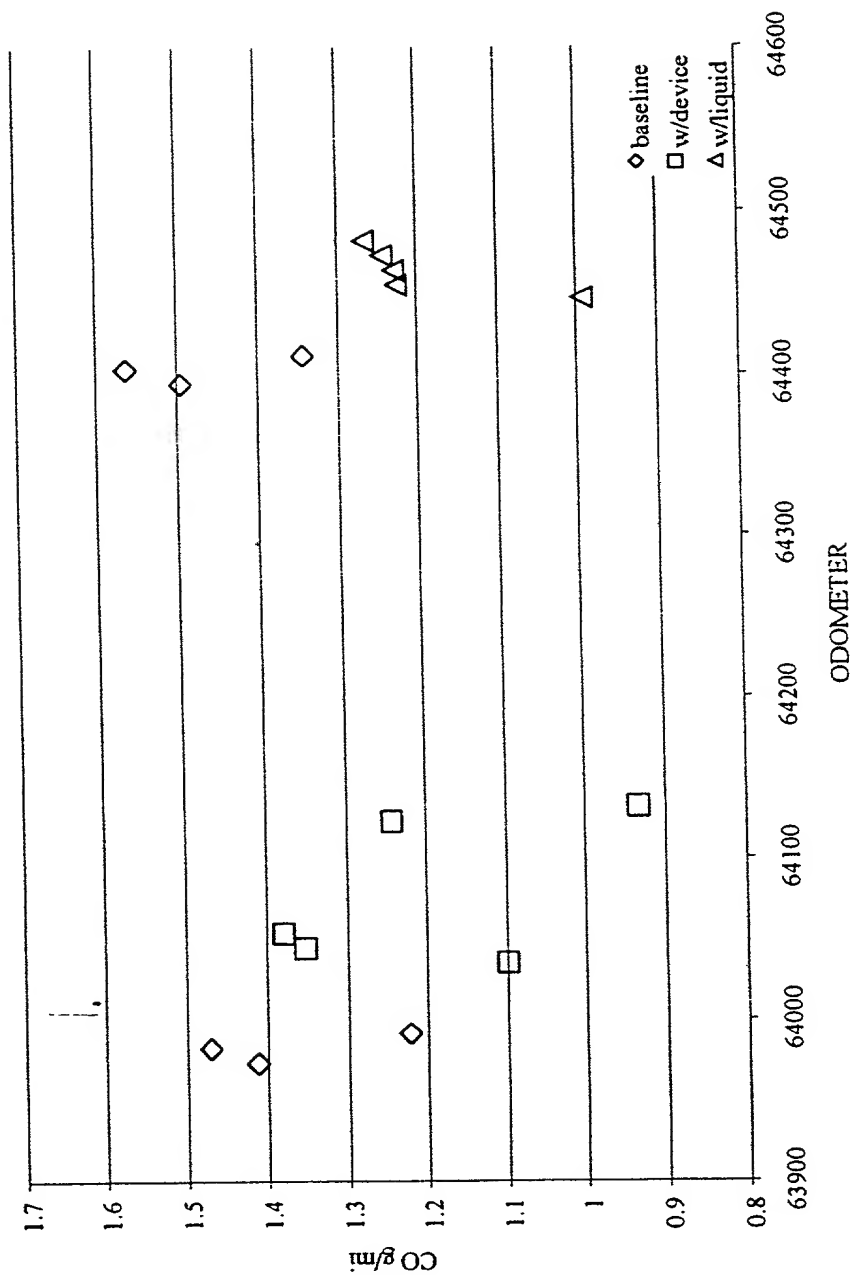


Figure 6: CO emissions as a function of odometer miles for a Ford Taurus



Figure 7: NMHC emissions as a function of odometer miles for a Ford Taurus

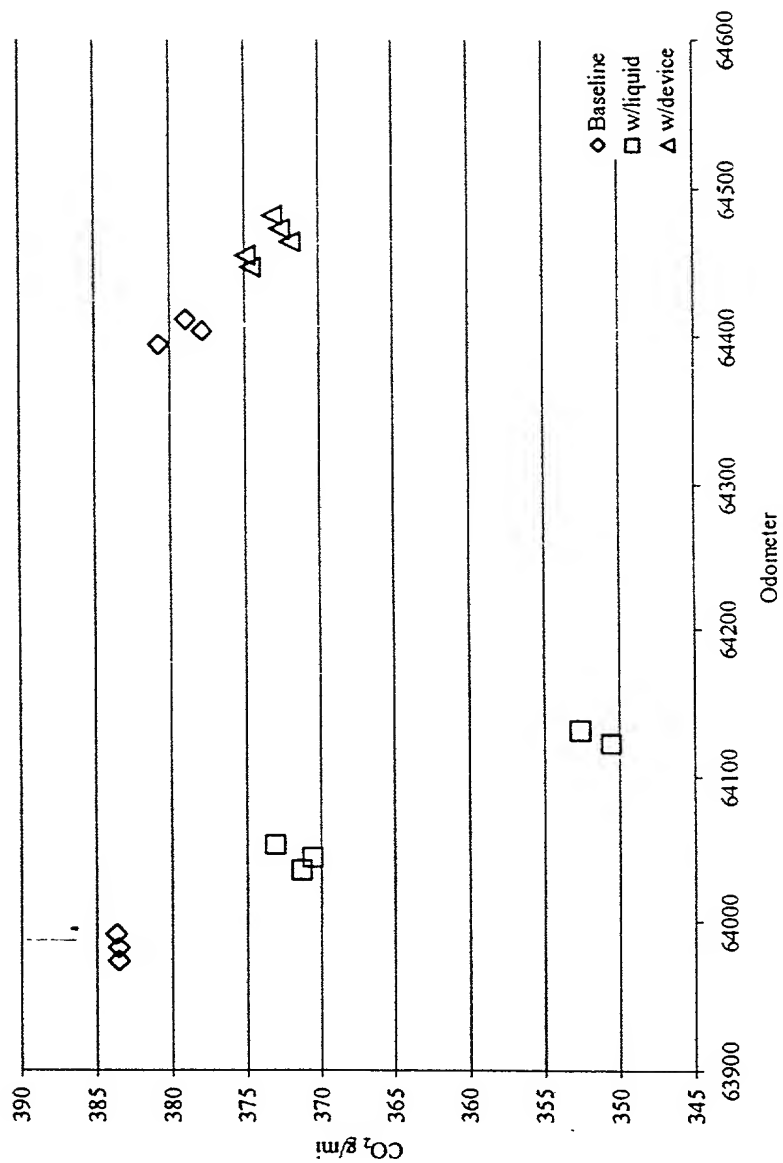


Figure 8: CO₂ emissions as a function of odometer miles for a Ford Taurus

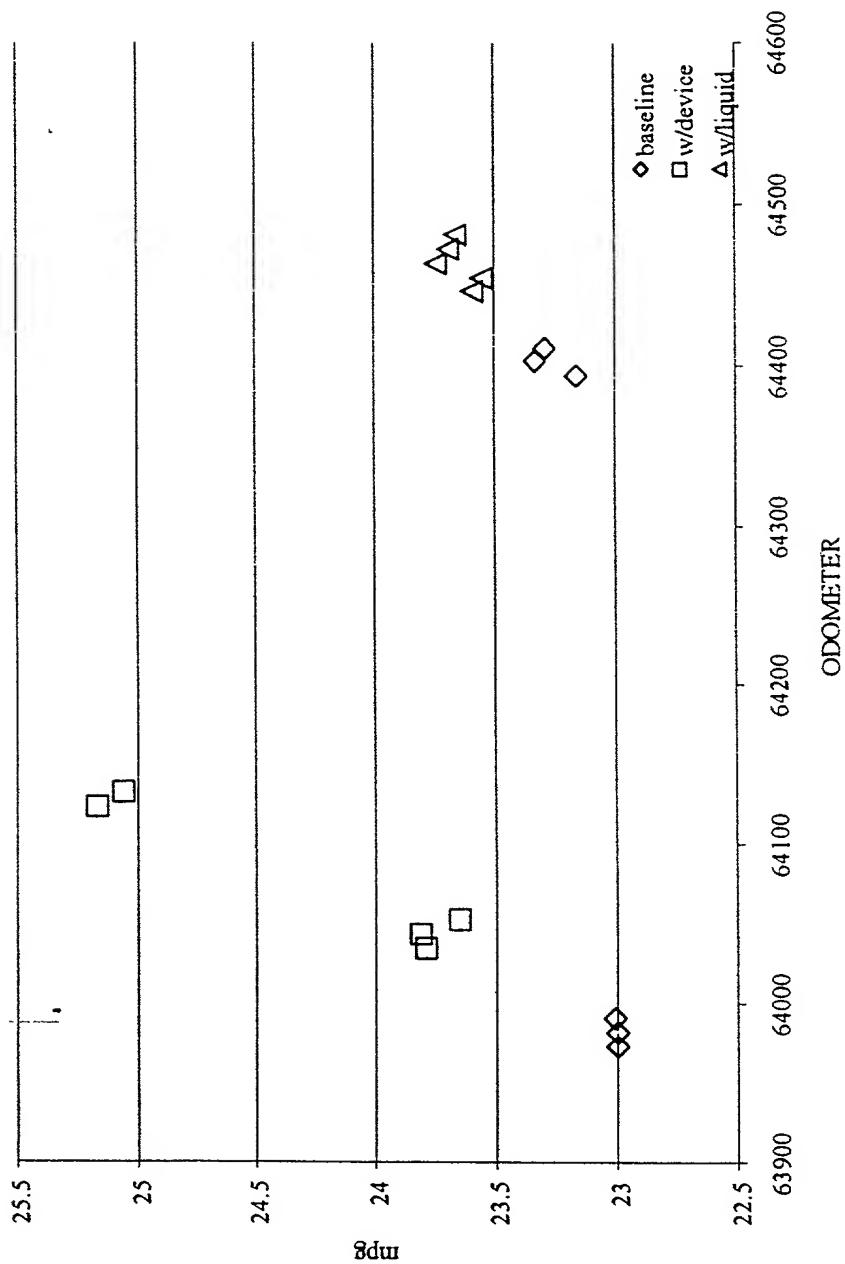


Figure 9: MPG fuel economy as a function of odometer miles for a Ford Taurus

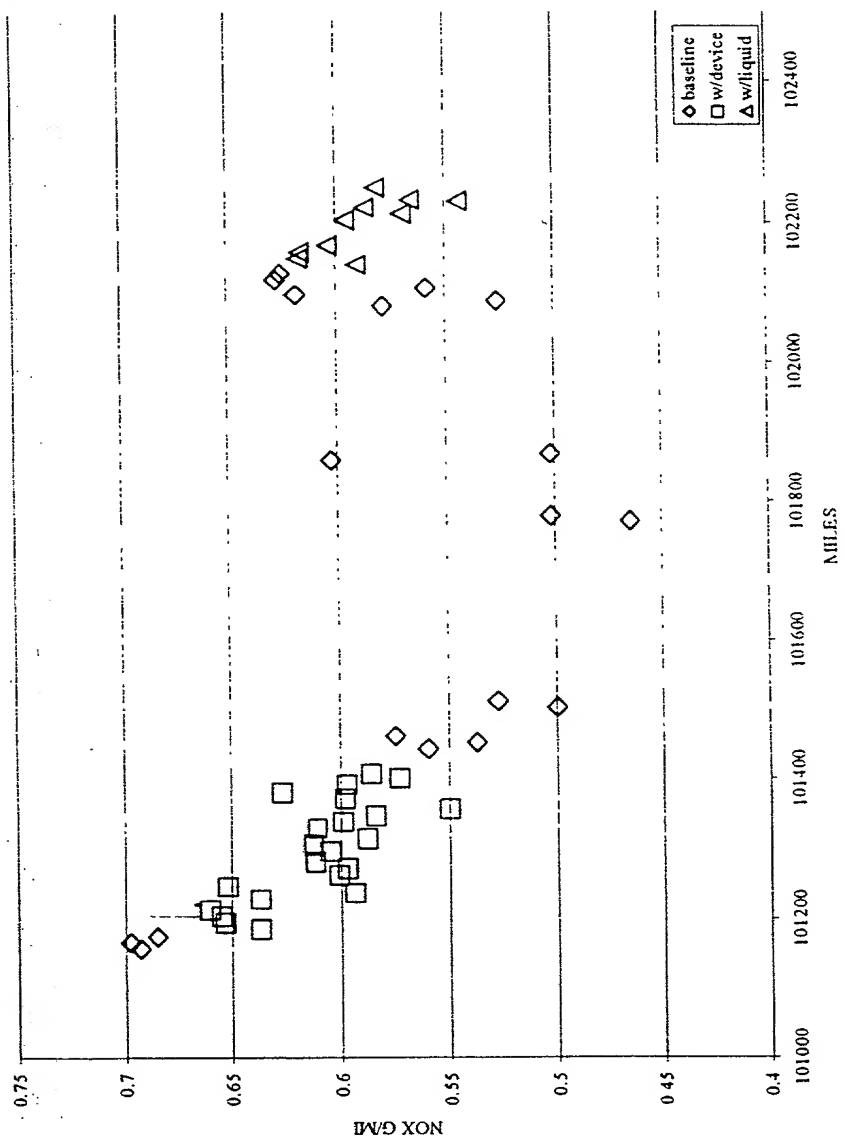


Figure 10: NO_x emissions as a function of odometer miles for a Honda Accord

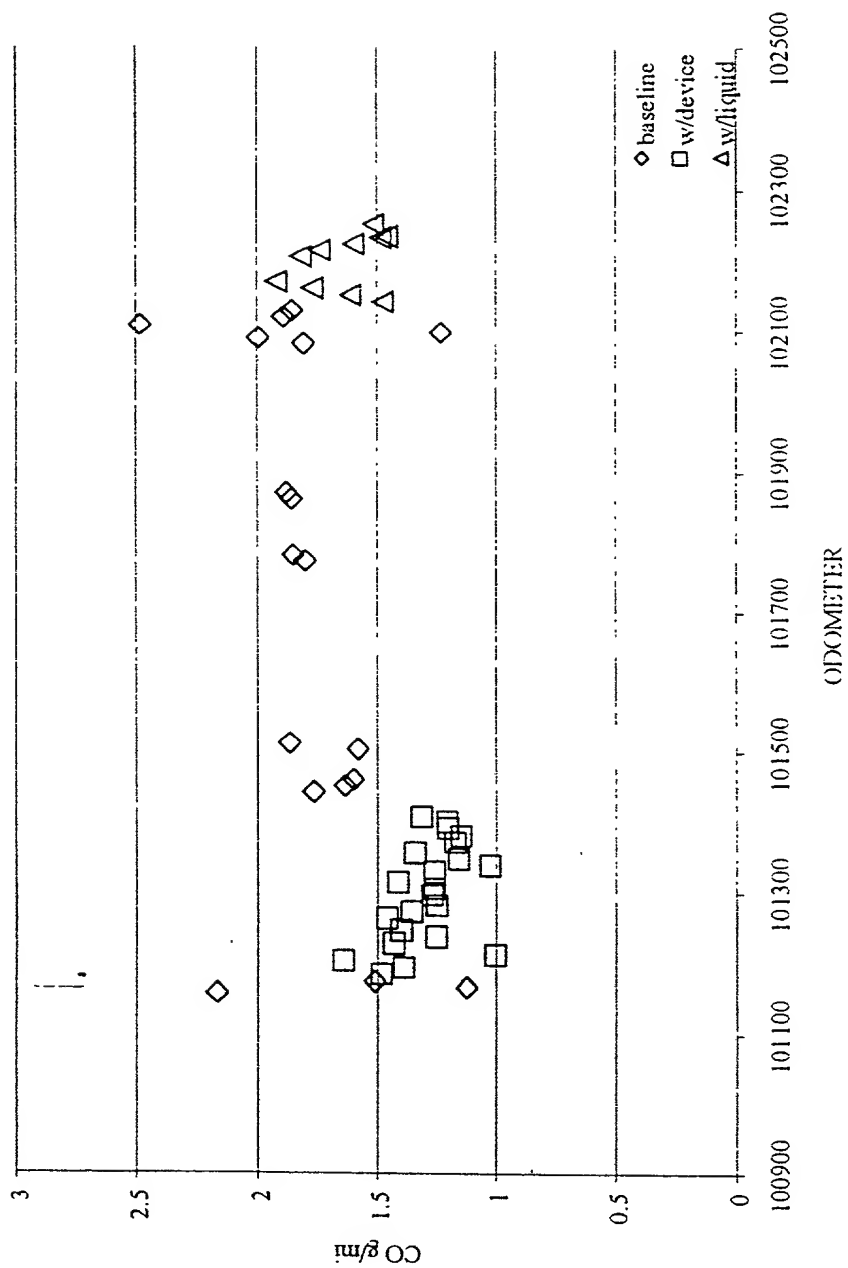


Figure 11: CO emissions as a function of odometer miles for a Honda Accord

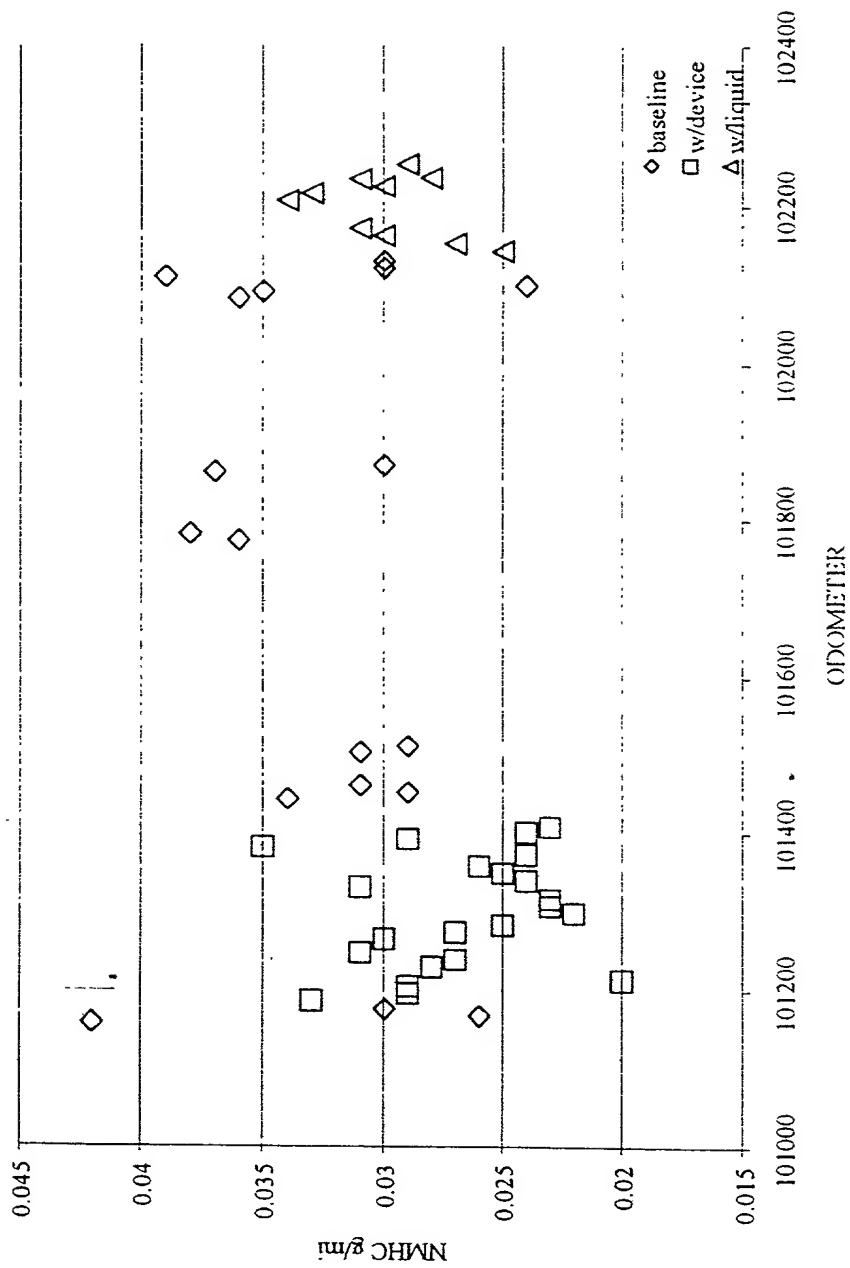


Figure 12: NMHC emissions as a function of odometer miles for a Honda Accord

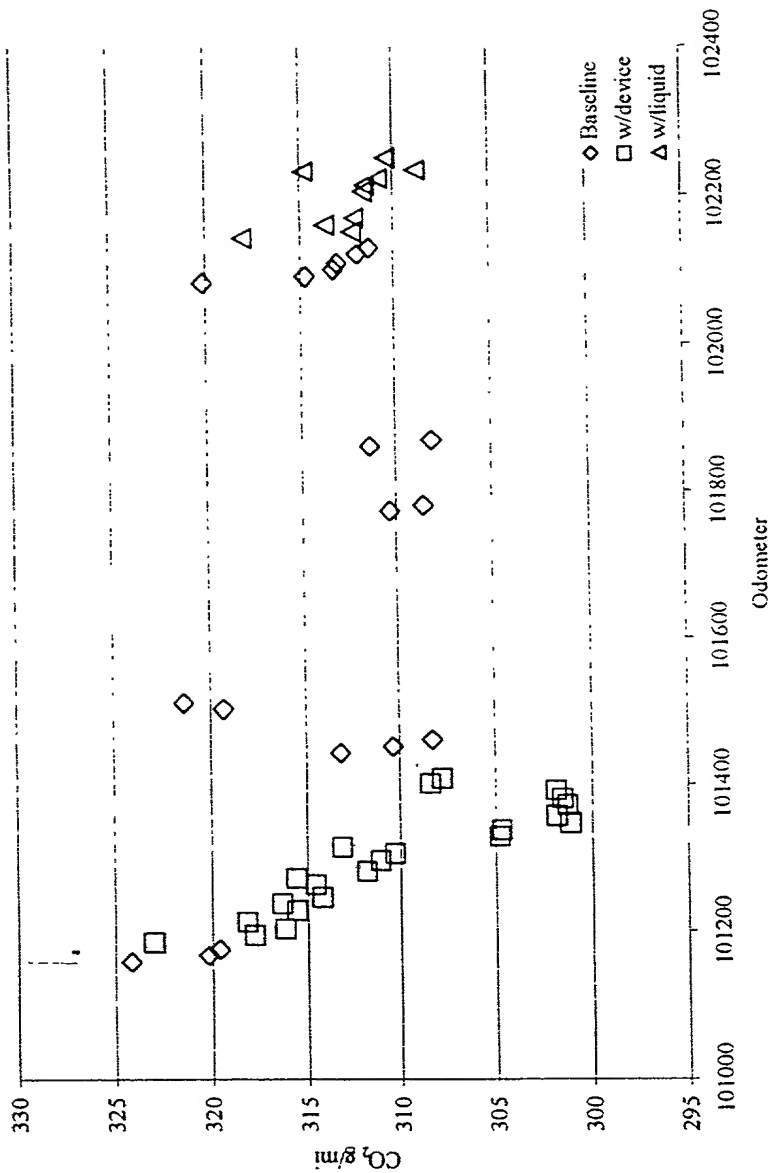


Figure 13: CO₂ emissions as a function of odometer miles for a Honda Accord

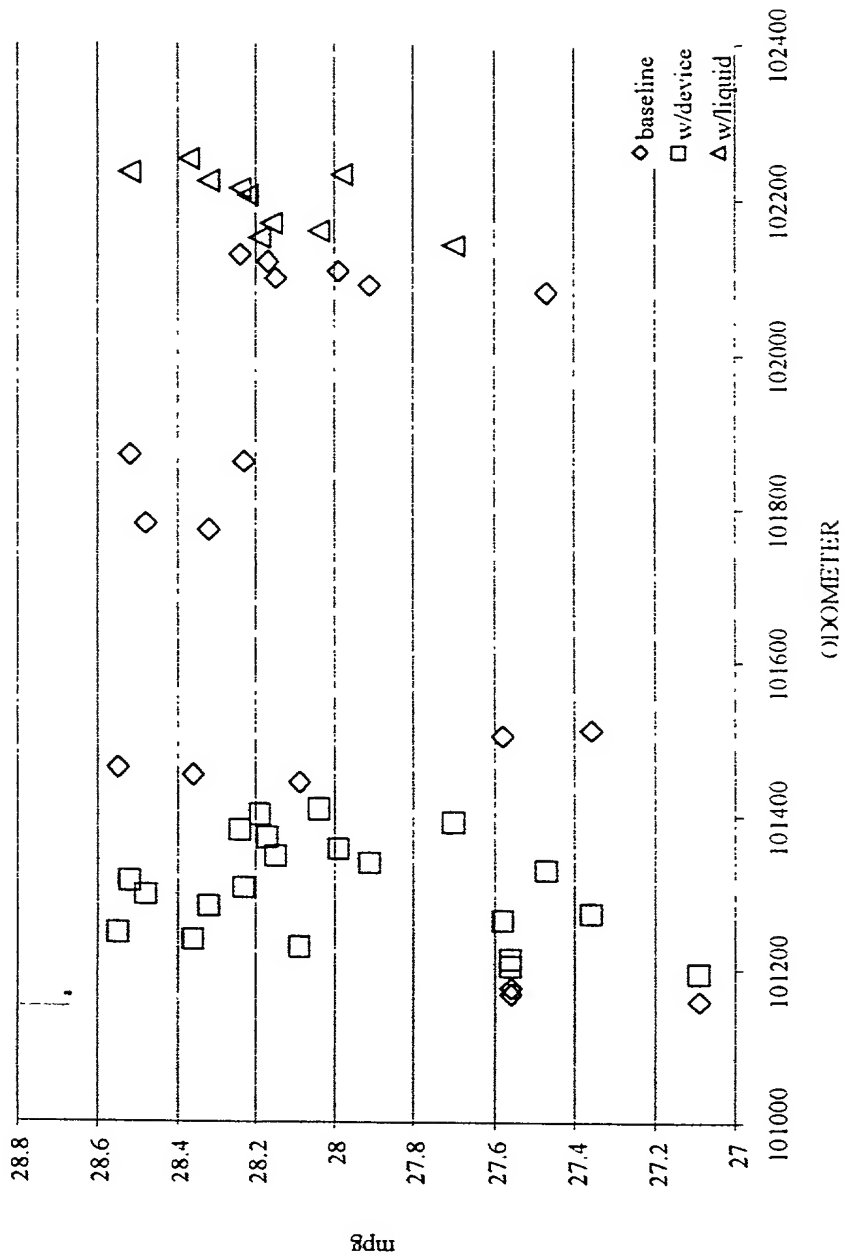


Figure 14: MPG fuel economy as a function of odometer miles for a Honda Accord

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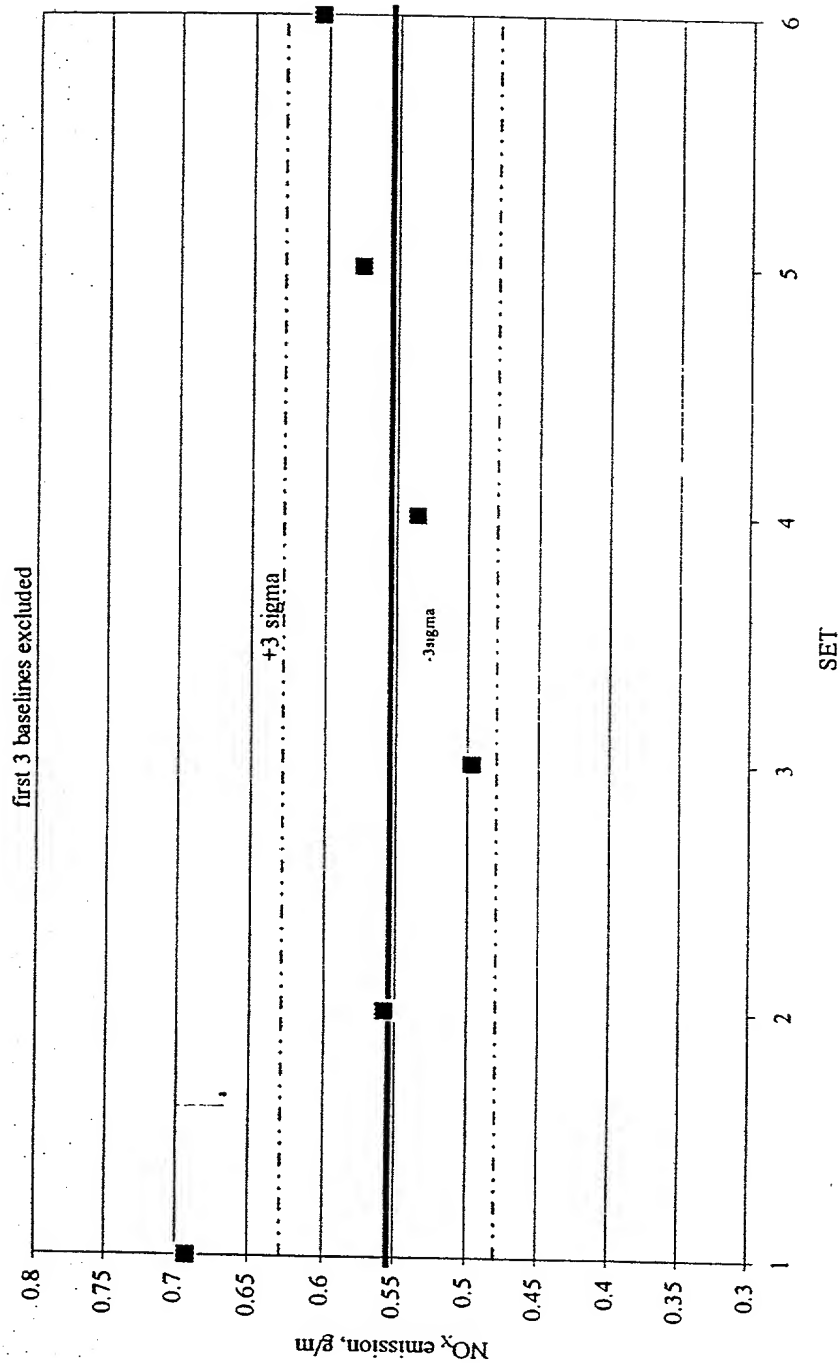


Figure 15: Shewhart Control Plot for NO_x in the Honda Accord with the first three baselines excluded

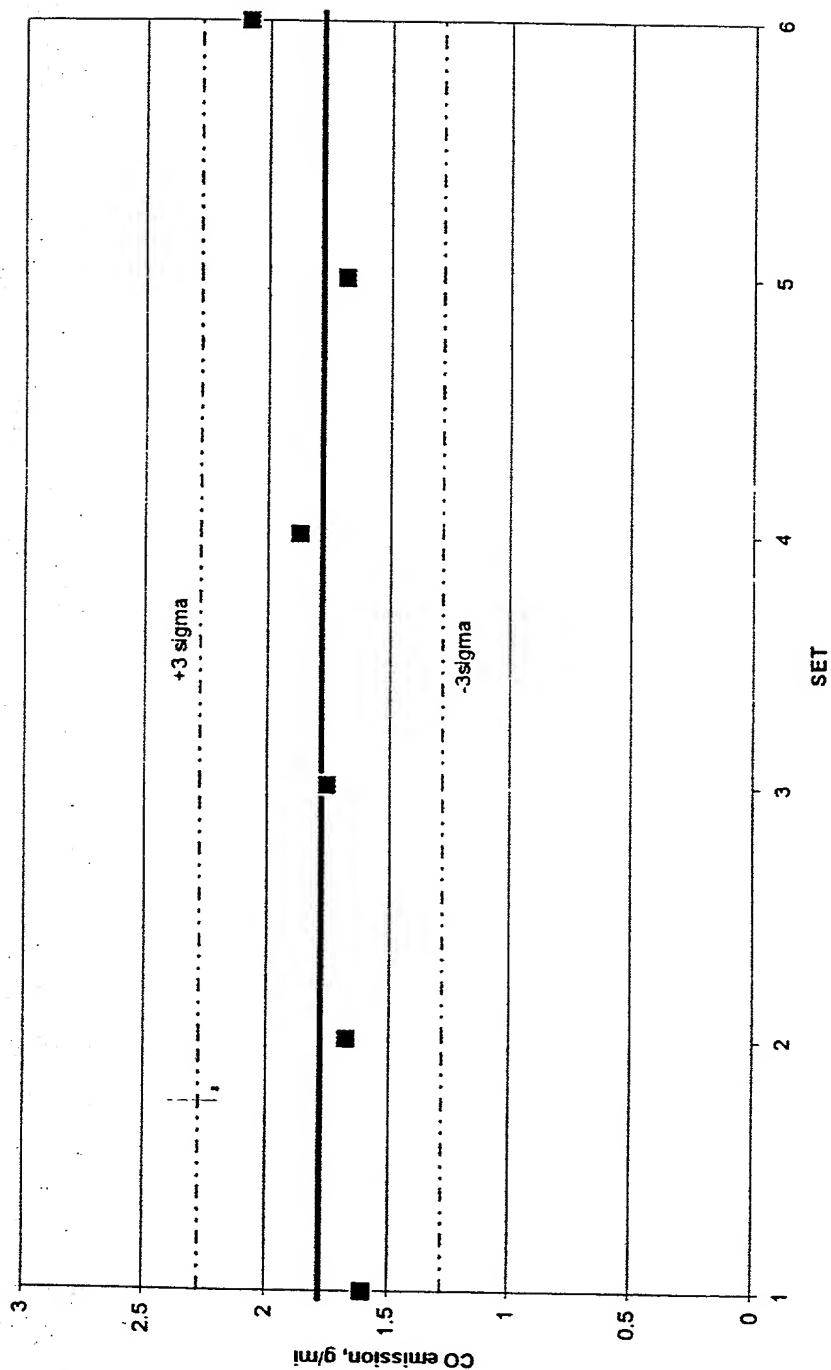


Figure 16: Shewhart Control Plot for CO in the Honda Accord with the first three baselines excluded

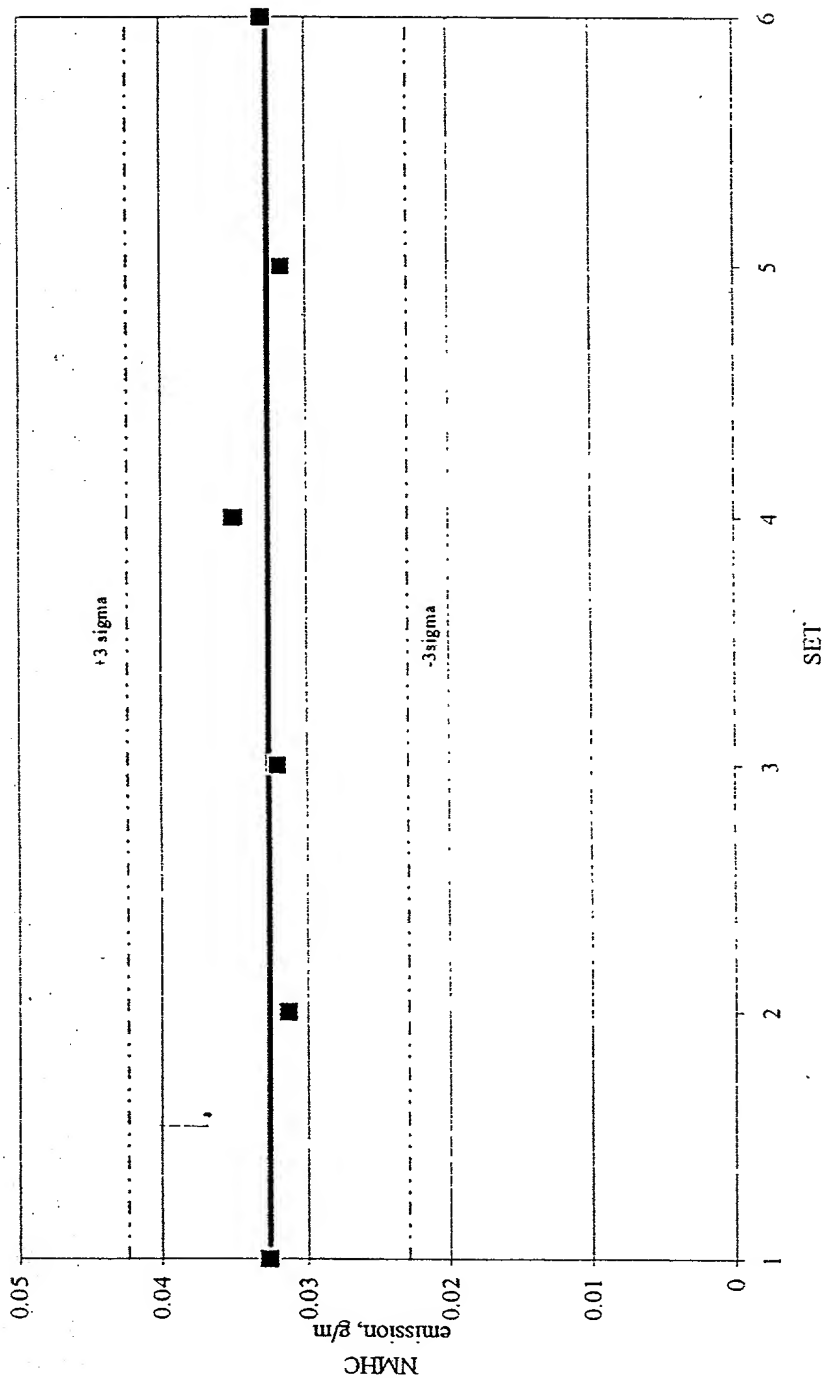


Figure 17: Shewhart Control Plot for NMHC in the Honda Accord with the first three baselines excluded.

1. The first three baselines are excluded from the control chart.
 2. The control chart is a Shewhart Control Plot for CO₂ in the Honda Accord.
 3. The control chart shows the CO₂ emission in g/m for the first three baselines.
 4. The control chart shows the CO₂ emission in g/m for the first three baselines.
 5. The control chart shows the CO₂ emission in g/m for the first three baselines.
 6. The control chart shows the CO₂ emission in g/m for the first three baselines.
 7. The control chart shows the CO₂ emission in g/m for the first three baselines.
 8. The control chart shows the CO₂ emission in g/m for the first three baselines.
 9. The control chart shows the CO₂ emission in g/m for the first three baselines.
 10. The control chart shows the CO₂ emission in g/m for the first three baselines.

HONDA

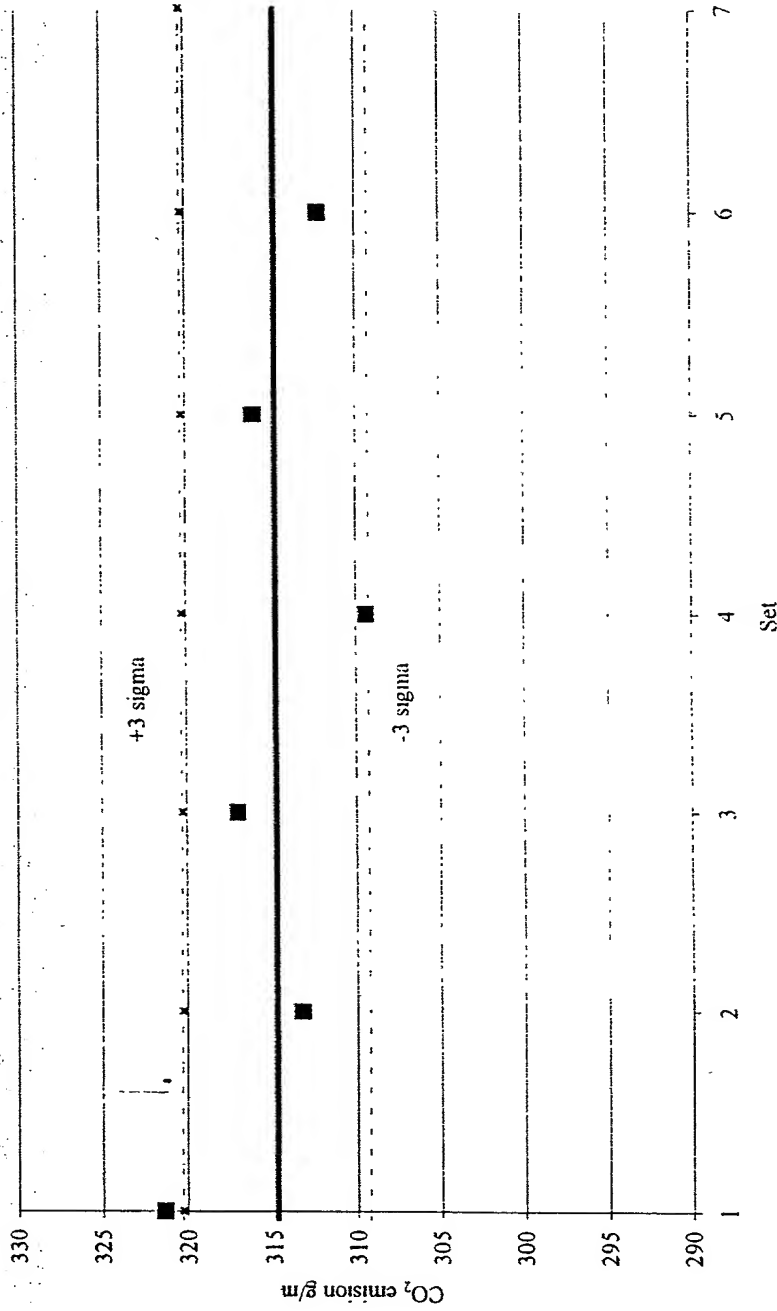


Figure 18: Shewhart Control Plot for CO₂ in the Honda Accord with the first three baselines excluded

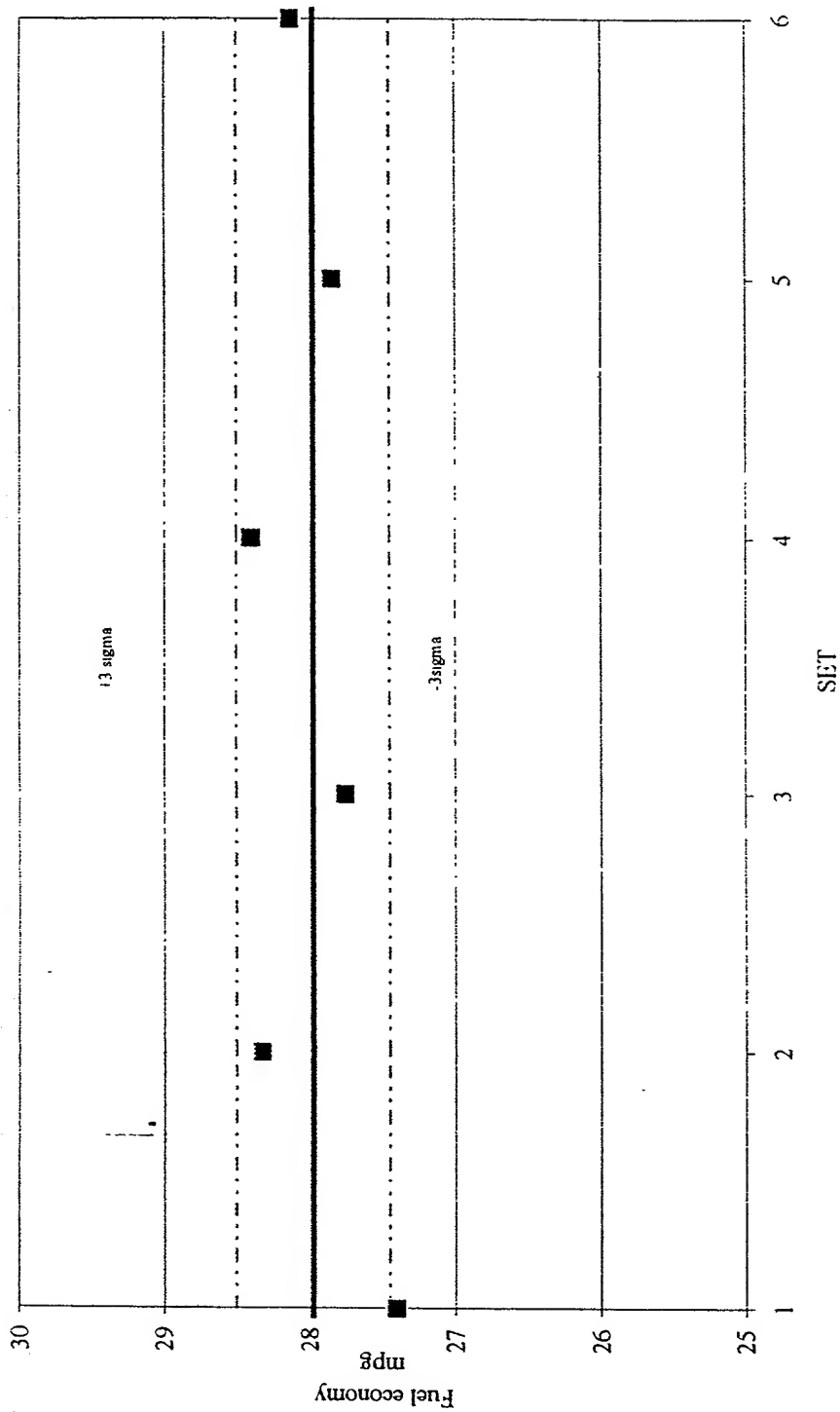


Figure 19 : Shewhart Control Plot for mpg fuel economy in the Honda Accord with the first three baselines excluded

